

High-Speed Digital Test Compliance Consulting Services

Keysight Understands Your Challenges

When digital signals reach gigabit speeds, the unpredictable becomes the norm. The process of getting your project back on track starts with the best tools for the job. You'll need advanced high-speed digital measurement techniques to overcome your design challenges. High-speed digital compliance testing is necessary to pass the requirements set by the standards bodies. We can help you achieve robust design characterization to similar levels even if compliance testing is not your ultimate goal.



Keysight Services

Our applications experts are available to share their expertise to address your specific test challenges. For more information contact your local Keysight sales representative.

Solving your test challenges

Keysight consulting services help you to ensure interfaces under test are compliant with the standards to support compliance tests for oscilloscopes, BERT, arbitrary waveform generators & logic analyzers.

Our experts will guide you through high-speed digital serial technologies like PCIe, USB, HDMI, MIPI, DDR, SERDES, custom standards and more.

Learn how to:

- interpret standards and convert to useable test strategy
 - Ensure all test are completed in a consistent way in well calibrated environment
 - Ensure test results are fully recorded in a consistent manner
 - Ensure test results are documented to correlate test condition with result margins
- prepare customers' device for test
- de-embed the fixture and channel
- test system connection, cables, fixtures, compliance boards and test cards
- ensure the highest measurement performance
- stress the device



Services

Keysight expertise means you do not have to spend time in discovery and ramp-up. Our team will share with you time-saving project risk reduction along with efficient and thorough debug and verification techniques. Keysight has the expertise and access to world-class technologists who drive the next generation of standards.

Our Experts

Keysight's application experts with in-depth knowledge of industry standards and measurement techniques will help you to achieve your test goals. Our engineers have a minimum of eight years working on test and measurement challenges. They undergo continuous training to maintain a high level of expertise and to remain current with standard bodies recommendations and the latest technology trends. Whether it is design, development test for custom high-speed protocols, testing next-generation high-speed serial differential interfaces — we are there to help you.

Services Description

Consultancy Description	Description	Benefits
Accelerate your measurements	PS-XPS-100: configurable for a two-day package of on-site support by our Keysight application engineers, helping you to accelerate compliance test workflow. This service can be tailored for your specific needs.	• Accelerate your time to market. • Reduce the time spent on designing your tests.

Need More?

Do you need to go even deeper and work on non-standard interfaces or technologies under development?

Our experts can help you with user-defined application (UDA):

- custom consulting services for UDA design and development services — GMSL, FPD-Link, RGMII, SGMII, JESD204B
- develop support for a user-defined add-in for an existing transmitter compliance test application

Contact us to build a personalized service offer to meet your specific needs.

To learn more, visit us at our [Keysight Consulting Services](#).

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

